

# NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed (insert date) 9/16/97 are:

A. ✓ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.

B. ✓ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

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|---|---|
| <p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:<br/>Black ink. Color.<br/>_____ Color drawing are not acceptable until petition is granted.<br/>Fig.(s) _____<br/>_____ Pencil and non black ink is not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)<br/>_____ Photographs are not acceptable until petition is granted.<br/>_____ 3 full-tone sets are required. Fig(s) _____<br/>_____ Photographs not properly mounted (must bristol board or photographic double-weight paper). Fig(s) _____<br/>_____ Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(e)<br/>_____ Paper not flexible, strong, white and durable.<br/>Fig.(s) _____<br/>_____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin)<br/>_____ Mylar, vellum paper is not acceptable (too thin).<br/>Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes:<br/>_____ 21.0 cm by 29.7 cm (DIN size A4)<br/>_____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)<br/><u>✓</u> All drawings sheets not the same size.<br/>Sheet(s) <u>1-14</u></p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:<br/>Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm<br/>SIZE: A4 Size<br/>Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm<br/>SIZE: 8 1/2 x 11<br/>_____ Margins not acceptable. Fig(s) _____<br/>_____ Top (T) _____ Left (L)<br/>_____ Right (R) _____ Bottom (B)</p> <p>6. VIEWS. CFR 1.84(h)<br/>REMINDER: Specification may require revision to correspond to drawing changes.<br/>_____ Views connected by projection lines or lead lines.<br/>Fig.(s) _____<br/>Partial views. 37 CFR 1.84(h)(2)<br/>_____ Brackets needed to show figure as one entity.<br/>Fig.(s) _____<br/>_____ Views not labeled separately or properly.<br/>Fig.(s) _____<br/>_____ Enlarged view not labeled separately or properly.<br/>Fig.(s) _____</p> | <p>7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)<br/>_____ Hatching not indicated for sectional portions of an object.<br/>Fig.(s) _____<br/>_____ Sectional designation should be noted with Arabic or Roman numbers. Fig.(s) _____</p> <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)<br/>_____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs. Fig.(s) _____<br/>_____ Views not on the same plane on drawing sheet. Fig.(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)<br/>_____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.<br/>Fig.(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(l)<br/>_____ Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable and black (poor line quality).<br/>Fig.(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m)<br/>_____ Solid black areas pale. Fig.(s) _____<br/>_____ Solid black shading not permitted. Fig.(s) _____<br/>_____ Shade lines, pale, rough and blurred. Fig.(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.48(p)<br/>_____ Numbers and reference characters not plain and legible.<br/>Fig.(s) _____<br/>_____ Figure legends are poor. Fig.(s) _____<br/>_____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig.(s) _____<br/>_____ English alphabet not used. 37 CFR 1.84(p)(3) Fig.(s) _____<br/>_____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig.(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)<br/>_____ Lead lines cross each other. Fig.(s) _____<br/>_____ Lead lines missing. Fig.(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)<br/>_____ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig.(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)<br/>_____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig.(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)<br/>_____ Corrections not made from PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152<br/>_____ Surface shading shown not appropriate. Fig.(s) _____<br/>_____ Solid black shading not used for color contrast.<br/>Fig.(s) _____</p> |
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COMMENTS

REVIEWER T. Reagen DATE 10/2/98 TELEPHONE NO. 305 8404

ATTACHMENT TO PAPER NO. 8

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Form PTO 948 (Rev. 10-94)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No. 931172

### NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-305-8404.

The drawings filed (insert date) 9/16/97, are  
A. ☒ not objected to by the Draftsperson under 37 CFR 1.84 or 1.152.  
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this Notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:  
Black ink. Color.

- ☐ Not black solid lines. Fig(s) \_\_\_\_\_
- ☐ Color drawings are not acceptable until petition is granted. Fig(s) \_\_\_\_\_

2. PHOTOGRAPHS. 37 CFR 1.84(b)

- ☐ Photographs are not acceptable until petition is granted. Fig(s) \_\_\_\_\_
- ☐ Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) \_\_\_\_\_
- ☐ Poor quality (half-tone). Fig(s) \_\_\_\_\_

3. GRAPHIC FORMS. 37 CFR 1.84(d)

- ☐ Chemical or mathematical formula not labeled as separate figure. Fig(s) \_\_\_\_\_
- ☐ Group of waveforms not presented as a single figure, using common vertical axis with time extending along horizontal axis. Fig(s) \_\_\_\_\_
- ☐ Individuals waveform not identified with a separate letter designation adjacent to the vertical axis. Fig(s) \_\_\_\_\_

4. TYPE OF PAPER. 37 CFR 1.84(c)

- ☐ Paper not flexible, strong, white, smooth, nonshiny, and durable. Sheet(s) \_\_\_\_\_
- ☐ Erasures, alterations, overwritings, interlineations, cracks, creases, and folds copy machine marks not accepted. Fig(s) \_\_\_\_\_
- ☐ Mylar, velum paper is not acceptable (too thin). Fig(s) \_\_\_\_\_

5. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

- ☐ 21.6 cm. by 35.6 cm. (8 1/2 by 14 inches)
- ☐ 21.6 cm. by 33.1 cm. (8 1/2 by 13 inches)
- ☐ 21.6 cm. by 27.9 cm. (8 1/2 by 11 inches)
- ☐ 21.0 cm. by 29.7 cm. (DIN size A4)

- ☐ All drawing sheets not the same size. Sheet(s) \_\_\_\_\_
- ☐ Drawing sheet not an acceptable size. Sheet(s) \_\_\_\_\_

6. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Paper size			
21.0 cm. X 35.6 cm. (8 1/2 X 14 inches)	21.6 cm. X 33.1 cm. (8 1/2 X 13 inches)	21.6 cm. X 27.9 cm. (8 1/2 X 11 inches)	21.0 cm. X 29.7 cm. (DIN Size A4)
T 5.1 cm. (2")	2.5 cm. (1")	2.5 cm. (1")	2.5 cm.
L 6.4 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	2.5 cm.
R .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.5 cm.
B .64 cm. (1/4")	.64 cm. (1/4")	.64 cm. (1/4")	1.0 cm.

Margins do not conform to chart above.

Sheet(s) 2, 4  
Top (T) 2 Left (L) 4 Right (R) 4 Bottom (B) 4

7. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

- ☐ All views not grouped together. Fig(s) \_\_\_\_\_
- ☐ Views connected by projection lines or lead lines. Fig(s) \_\_\_\_\_
- ☐ Partial views. 37 CFR 1.84(h) 2

☐ View and enlarged view not labeled separately or properly. Fig(s) \_\_\_\_\_

☐ Sectional views. 37 CFR 1.84 (h) 3

☐ Hatching not indicated for sectional portions of an object. Fig(s) \_\_\_\_\_

☐ Cross section not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. Fig(s) \_\_\_\_\_

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

- ☐ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_

9. SCALE. 37 CFR 1.84(k)

- ☐ Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) \_\_\_\_\_
- ☐ Indication such as "actual size" or scale 1/2" not permitted. Fig(s) \_\_\_\_\_

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)

- ☐ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (except for color drawings). Fig(s) \_\_\_\_\_

11. SHADING. 37 CFR 1.84(m)

- ☐ Solid black shading areas not permitted. Fig(s) \_\_\_\_\_
- ☐ Shade lines, pale, rough and blurred. Fig(s) \_\_\_\_\_

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)

- ☐ Numbers and reference characters not plain and legible. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_
- ☐ Numbers and reference characters not oriented in same direction as the view. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_
- ☐ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) \_\_\_\_\_
- ☐ Numbers, letters, and reference characters do not measure at least .32 cm. (1/8 inch) in height. 37 CFR(p)(3) Fig(s) \_\_\_\_\_

13. LEAD LINES. 37 CFR 1.84(q)

- ☐ Lead lines cross each other. Fig(s) \_\_\_\_\_
- ☐ Lead lines missing. Fig(s) \_\_\_\_\_

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)

- ☐ Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) \_\_\_\_\_

15. NUMBER OF VIEWS. 37 CFR 1.84(u)

- ☐ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_
- ☐ View numbers not preceded by the abbreviation Fig. Fig(s) \_\_\_\_\_

16. CORRECTIONS. 37 CFR 1.84(w)

- ☐ Corrections not made from prior PTO-948. Fig(s) \_\_\_\_\_

17. DESIGN DRAWING. 37 CFR 1.152

- ☐ Surface shading shown not appropriate. Fig(s) \_\_\_\_\_
- ☐ Solid black shading not used for color contrast. Fig(s) \_\_\_\_\_

COMMENTS:

ATTACHMENT TO PAPER NO. \_\_\_\_\_

REVIEWER TAW

DATE 1/22/98